

INCINERATOR OPERATOR TRAINING PROGRAM GUIDANCE

Following are the requirements contained in SC DHEC Regulation 61-62.5, Section IX for incinerator operator training programs. These requirements apply to business incinerators, crematory incinerators, sludge incinerators, hazardous waste incinerators, commercial incinerators and industrial incinerators. A typed manual containing the requirements stated below must be submitted to the Department for review and approval:

1. **Summary of applicable US EPA and SC DHEC regulations and standards.** *This section should include a listing of all EPA and DHEC regulations which apply to the incinerator(s) at your facility.*
2. **Description of basic combustion theory as it relates to the incineration unit(s).** *This section should include an explanation of basic combustion theory as it **specifically** relates to the incinerator(s) at your facility, as well as a brief explanation of what pollutants the unit(s) are incinerating.*
3. **Description of waste handling, waste charging procedures, and waste feed rates of the unit.** *This section should include an explanation of how the incinerator(s) are fed the wastes that they are incinerating, and also a declaration of whether or not these procedures are automatic or manual.*
4. **Description of start-up, shutdown, and malfunction procedures.** *This section should include the full procedures for start-up and shut-down, as well as any procedures for periods of malfunction of the unit(s). One question which should be answered is whether or not any processes that are controlled by the incinerator at your facility can continue in the event of an incinerator malfunction.*
5. **Procedures to ensure proper combustion air supply levels are maintained.** *This section should include the procedures your facility has in place to guarantee that proper combustion air supply levels are maintained, which should ensure that proper destruction efficiency is maintained.*
6. **Procedures for operating the incinerator within parameters established for the specific unit.** *This section should include a list of the manufacturer=s recommended operating parameters and ranges or operating parameters established by on-site testing of the unit(s), as well as any limits contained in your facility=s air operating permit. The established ranges for all parameters should be easily understandable.*
7. **Procedures for responding to upset or off-spec conditions.** *This section should include an explanation of how the facility becomes aware of, responds to, and documents upset or off-spec conditions.*
8. **Procedures for minimizing particulate matter emissions, as applicable, and emissions monitoring.** *If applicable, this section should explain the procedures for minimizing particulate matter emissions from the incinerator and a description of any emissions monitoring required or conducted.*
9. **Procedures for ash handling.** *If applicable, this section should explain the procedures for handling ash from incineration, (i.e., on-site storage, landfill disposal, etc.).*

The typed manual must be submitted to the Department for review, and should be mailed to the following address:
SCDHEC, BAQ - Technical Management Section, 2600 Bull Street, Columbia, SC 29201-1708

Subsequent to approval of the course and upon completion of the training, a certificate verifying completion of operator training must be submitted to the Department at the above address. Copies of the operational practices and procedures should be bound and kept readily available for operator reference. The Department reserves the right to audit any course presentation to ensure that minimum requirements are being met.